

## September 2011 Weather in Review

After the warmest August and June to August at Austin Mabry, Del Rio, and San Antonio, September 2011 maintained the trend of drier and much warmer than usual conditions. The presence of 100 degree days from the late Spring through August continued in September in 2011. After many record highs from June to August, more record highs came in September. The cold front on September 4th brought several cool mornings the 5th through the 11th. Record daily lows were observed at Austin Bergstrom from the 6th to the 10th, and at Del Rio on the 6th and 7th. The dryness across the region helped to enhance the contrast between warm and cool periods in September. September of 2011 tied with September 2005 for the warmest September at Austin Mabry; tied with September 1962 for the 10th warmest at Del Rio; and tied with September 1933 for the 5th warmest September at San Antonio. September 2011 tied with September 1945, 1960, and 1997 for the 19th warmest September at Austin Bergstrom. The combination of the coolest average September daily low of 63.3 at Austin Bergstrom coupled with the 2nd warmest daytime high of 97.1, kept the average temperature for Austin Bergstrom out of the top 10 warmest Septembers. Even though Fall officially began at 405 AM CDT on Friday, September 23, unseasonably warm days persisted the weekend of the 24th and 25th through September 29th. The high of 101 at Austin Mabry and 99 at Austin Bergstrom on September 29th were daily record highs for September 29th and the highest temperature for so late in the season at Austin Mabry and Austin Bergstrom.

A record number of 100 degree days have been observed this year through September of 90 – 100 degree days at Austin Mabry; 74 – 100 degree days at Austin Bergstrom; and 85 – 100 degree days at Del Rio. San Antonio has had the 2nd most 100 degree days at 57 through September, less than the record of 59 - 100 degree days in 2009. Through year 2010, the latest 100 degree day at Austin Mabry was October 2, 1923 and October 2, 1938, when the high was 100; at Austin Bergstrom 105 September 28, 2005 and 100 September 28, 2011; at Del Rio 101 on October 4, 1956; and at San Antonio 104 on September 28, 2005. In September 2011 a record number of fourteen 100 degree days at Austin Mabry and eleven 100 degree days at Austin Bergstrom were observed. At San Antonio the seven 100 degree days in September of 2011 tied the record number of 100 degree days for September with September of 2000.

September 2011 continued the trend since October 2010 of drier than usual rainfall. More scattered showers and thunderstorms showed up in the month, typical of Septembers from the past. September 2011 was the driest September of record at Austin Bergstrom, since 1943, with 0.01 inches of rain, and tied with September 1878 for the 7th driest September at Austin Mabry since 1856, with 0.18 inches of rain. From October 2010 to September 2011 at Austin and San Antonio, January 2011 was the only month with rainfall above normal, while at Del Rio August 2011 was the only month with rainfall greater than normal. The rainfall from October 2010 to September 2011 of 11.20 inches of rain at Austin Mabry was the driest 1 Year Non-Overlapping period at Austin Mabry since 1856; and the 5th driest 1 Year Non-Overlapping period at San Antonio since 1871, with 10.71 inches of rain. At Del Rio, August 2010 to July 2011 was the 3rd driest 1 Year Non-Overlapping period since 1906, with 4.84 inches of rain.

The list below shows the driest Non-Overlapping 1 year periods at Austin Mabry, Del Rio, and San Antonio.

At Austin Mabry, the driest 1 Year Non-Overlapping periods from 1856 to September 2011 follows. The latest 30 Year 1981 to 2010 Normal rainfall at Austin Mabry is 34.24 inches.

1. Oct. 2010 to Sep. 2011 11.20
2. Jan. 1954 to Dec. 1954 11.42
3. Oct. 1924 to Sep. 1925 11.83
4. Oct. 1955 to Sep. 1956 12.18
5. May 1977 to Apr. 1978 14.44
- Nov. 1916 to Oct. 1917 14.44

At Del Rio, the driest 1 Year Non-Overlapping periods from 1906 to September 2011 follows. The latest 30 Year 1981 to 2010 Normal rainfall at Del Rio is 19.52 inches.

1. Oct. 1955 to Sep. 1956 3.60
2. Aug. 1952 to Jul. 1953 4.22
3. Aug. 2010 to Jul. 2011 4.84
4. May 1917 to Apr. 1918 5.78
5. Nov. 1936 to Oct. 1937 5.87

At San Antonio, the driest 1 Year Non-Overlapping periods from 1871 to September 2011 follows. The latest 30 Year 1981 to 2010 Normal rainfall at San Antonio is 32.27 inches.

1. Feb. 1917 to Jan. 1918 9.26
2. Sep. 2008 to Aug. 2009 9.41
3. Jul. 1924 to Jun. 1925 9.84
4. Aug. 1955 to Jul. 1956 10.51
5. Oct. 2010 to Sep. 2011 10.71

September 2011 Summary					
Location	Average Temperature	Average High	Average Low	Warmest/Coollest	Rainfall
Austin Mabry	84.4 +4.4	98.7	70.1	105 on 12th, 13th and 25th 59 on 24th	0.18 -2.81
Austin Bergstrom	80.2 +2.4	97.1	63.3	104 on 25th 50 on 7th	0.01 -2.48
Burnet	81.8 +4.4	95.9	67.6	104 on 25th 57 on 24th	0.23 -2.87
Del Rio	82.6 +2.3	95.6	69.5	104 on 26th 57 on 6th and 7th	1.14 -1.06
Hondo	81.8 +3.1	98.2	65.5	105 on 3rd and 25th 54 on 6th and 7th	0.41 -2.19
New Braunfels	81.4 +2.3	97.0	65.8	103 on 3rd 56 on 7th	2.33 -0.76
San Antonio International Airport	82.9 +3.2	96.2	69.5	103 on 3rd 59 on 6th and 7th	2.93 -0.10
San Antonio Stinson	84.8 +5.0	98.7	70.8	106 on 3rd 60 on 7th	1.44 -1.38

[Click Here](#) to see more details on September 2011 and October 2010 to September 2011 rainfall.

The outlook for October 2011 from the Climate Prediction Center calls for the average monthly temperature and rainfall for October 2011 to have Equal Chances of being warmer or cooler and drier or wetter than usual for the month of October. The 90 Day Outlook from October 2011 to December 2011 shows a 40 to 50 percent Chance of being warmer than usual; a 33.3 percent chance of being near normal; and a 16.7 to 26.7 percent chance of being cooler than normal. The October 2011 to December 2011 90 Day rainfall outlook over South Central Texas shows a 40 percent chance of being drier than usual; a 33.3 percent chance of near normal rain; and a 26.7 percent chance of above normal rain. [Click Here to See the Latest One Month Outlook from the Climate Prediction Center.](#) The table below lists information on Climate Normals for the month of October for Austin, Del Rio and San Antonio.

### October Climate Information Referencing 1981 to 2010 Normals

Location	Normal Monthly Temp.	Normal High	Normal Low	All time High	All time Low	Normal Rainfall	All Time Driest	All Time Wettest
Austin/Mabry	71.2	81.8	60.6	100	30	3.88	0	12.63
Austin/Bergstrom	69.0	82.2	55.9	98	32	3.95	0	13.08
Del Rio	71.7	82.4	61.0	106	28	2.23	0	11.69
San Antonio	71.2	82.2	60.1	99	27	4.11	T	18.07